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GUEST EDITORIAL

The International Metallographic Society Presents 'Characterization of Materials and Microstructure through Metallography, Image Analysis, Machine Learning, and Mechanical Testing: Fundamental and Applied Studies' at IMAT 2022

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The International Metallographic Society has big plans for ASM International's annual conference, IMAT 2022. The conference will be held in New Orleans, Louisiana, September 12–15. Registration for IMAT 2022 is open!

With technical talks ranging from simulation and machine learning to archaeometallurgy, metallurgical failures, microstructural characterization and correlation to material properties, IMS sessions will include some of the hottest topics in metallography with invited talks from experienced professionals. The IMS symposium theme is "Characterization of Materials & Microstructure through Metallography, Image Analysis, Machine Learning, & Mechanical Testing—Fundamental & Applied Studies." Find out more about IMAT 2022 programming on the event website.

IMS's first session will be held on Monday, September 12, from 10:30 a.m. to 12 p.m. on "Microstructural Characterization and Correlation to Material's Behavior or Properties" with a focus on Additive Manufacturing. Following will be "Quantification and Simulation of Microstructures and Properties—from Classical Approaches to Machine Learning" from 1:20 to 2:20 p.m. The third session of day one is on "Metallographic Preparation Techniques from Fundamentals to Novel Solutions" from 3 to 4:20 p.m. This will be immediately followed by an Expert Panel discussion from 4:20 to 5:20 p.m. The expert panel includes Dr. Mike Keeble, Buehler; Mr. George Vander Voort, consultant of Buehler; Dr. Laura Moyer, Lehigh; and Mr. Pablo Mendoza, Allied High Tech Products. Attendees will get a chance to learn from the experts as well as ask any questions they have.

Joseph Quinn

On day two, Tuesday, September 13, the IMS symposium will begin with an exciting variety of talks on "Microstructural Characterization and Correlation to Material's Behavior or Properties" from 8 to 10 a.m. Next, IMS will host the Sorby Lecture for 2022 from 10:50 to 11:50 a.m. This lecture is presented by the winner of the prestigious Henry Clifton Sorby Award for internationally recognized contributions to metallography. This year's recipient is Prof. Harshad "Harry" Bhadeshia, Cambridge University, U.K. Prof. Bhadeshia also has a teaching post at the Queen of Mary University of London (QMUL). His talk is entitled "Choreography of Atoms during the Bainite Transformation." IMS symposia will conclude day two with talks on "Microstructural Examination of Archaeological Materials" from 1:20 to 2:20 p.m.

Day three, Wednesday, September 14, is dedicated to failure analysis and metallography, which will begin with a joint session between the Failure Analysis Society (FAS) and IMS from 8 to 10 a.m. IMS will conclude day three with its final session on "Microstructural Characterization

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and Correlation to Material's Behavior or Properties" also with focus on failure analysis and metallography from 1:20 to 5 p.m.

Visit the IMAT 2022 website, https://www.asminternational.org/web/imat-2022, for the most up-to-date information about the conference. Please email me, JQuinn.asm@gmail.com, with any thoughts about this year's symposium or new ideas for 2023. Thank you!